STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

FOR INFORMATIONAL PURPOSES ONLY

*102BR1M & 102BR-1M-1				
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	LEE	38	25
FED. ROAD DIST. NO.		ILLINOIS 1 PROJECT		

SHEET NO. 5
8 SHEETS

Hatched area indicates concrete removal.
Note A: Existing reinforcement which will extend into new concrete shall be cleaned and incorporated into the new construction

Note: Cross-hatch area to be poured after deck beams are grouted in place. Class X Concrete billed with superstructure.

19-#5 bars @ 12" cts. B.F.
7 v2 | 12" | 6 v3 | 12" | 6 v4
4 h1 F.F. Cut to fit
4 h2 B.F. Cut to fit
2-#5 bars h5 & h6 E.F.
98.55
El. 98.30
El. 98.21
99.70
El. 99.45
43 Pairs #4 v13 @ 12" cts
4½" drop - ea. side
Fan 7 h7 in F.F.
Fan 4 h in B.F.
2-#4 bars v5 @ ±3'-7" cts. F.F.
14-#4 bars h1 @ 12" cts. F.F.
6-#4 bars h2 @ ±2'-7" cts. B.F.
5-#6 bars v8 Eo. Corner
3-#4 bars v7 @ ±4'-0" cts. F.F.
14 Expansion bolts @ ±12" Alt. cts.
7-#5 bars h3 See Sec. A-A
El. ±96.75 Exist. Top
6-#5 bars h4
19-Expansion bolts @ ±18" Alt. cts. Space to miss the pockets.
44-#5 bars s @ ±12" cts.
9-#5 bars h3 @ 12" cts. F.F.
6-#4 bars h @ ±1'-9" cts. B.F.
19-#7 bars v @ 12" cts. B.F.
6-#4 bars v1 @ ±3'-7" cts. F.F.
8-#6 v6 @ 18" cts. B.F.
18-#6 n bars @ 12" cts. Alt. with 19-#8 n1 bars @ 12" cts. B.F.
14-#5 bars h3 @ 12" cts. F.F.
6-#4 bars h2 @ ±2'-7" cts. B.F.
*4-#8 bars m @ 12" cts. Alt. with 4-#8 bars m1 @ 12" cts. B.F.
4-#8 bars n2 @ 12" cts. Alt. with 3-#8 bars n3 @ ±12" cts. B.F.
Elev. ±81.55
±9'-6"
±9'-1 3/4"
±11'-10"

ELEVATION

PILE DATA

Type - Untreated timber
Capacity - 24 tons
Est. Length - 20'-0"
No. Req'd. - 19 plus 1 test pile

Summ. @ ℄ Except as shown

Stage II Deck Removal | Stage I Deck Removal
Stage II Deck Replacement | Stage I Deck Replacement
5'-0" | 1'-0"
22'-2"

6-#5 bars w @ ±18" cts. Top
6-#5 bars w Bottom
13-#6 bars t @ 10" cts. Top
13-#5 bars t1 @ 10" cts. Bott.
10" | 10" | 12-#6 bars t2 @ 12" cts. Bott.
11-#6 bars m2 @ 12" cts. Top
12 Expansion bolts @ ±18" cts.
2" Expansion bolts
#5 bars w3 Top
5-#5 bars w4 @ ±18" cts.
5-#5 bars w4 Bottom
Fan 3-#6 m2 Top
4-#5 bars w2 Bottom
10-#6 bars t3 Fan in bottom
Bk. of Abut. Sta. 489+28.50
6" | 1'-2" | 2'-8" | 1'-6" | 3'-6"
4'-0" | 9'-0"
6" Construction Jt.
End of beams
Porous Granular Embankment
3'-0"
4"
4 Pile spaces @ 5'-0" cts. = 20'-0"
18'-3"
21'-8⅞"
See Corner Detail A
v9 | h9 or h6

REINFORCEMENT

PLAN

OUTLINES

10'-1⅞" | 5'-0" | 1'-4" | 1'-9½" | 5'-3½" | 5'-0" | 8'-0" | 2'-9½" | 1'-3½" | 1'-6" | 1'-4½" | 1'-4"

DESIGNED	J. M. Patel
CHECKED	J. B. Nelson
DRAWN	Bev Robinson
CHECKED	J. B. N.

Nov 24 1971
EXAMINED
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED W. E. Baumann
ENGINEER OF DESIGN
APPROVED Richard H. Poltermann
CHIEF HIGHWAY ENGINEER

* m & m1 bars drilled & grouted into existing footing. See sheet #6 for Bar Details, Sections, & Bill of Material.
** Order w3 bars full length, cut to fit, & use balance of bars in opposite end.

NORTH ABUTMENT
S.B.I. RT. 89 SEC. 102-BR
LEE COUNTY
STA. 489+50

*K & E CO. 19-1253